

Dr. C.RAJA MOHAN

1. Designation : Assistant Professor
2. Department : Physics
3. Qualification : M.Sc.,M.Phil.,Ph.D
4. Experience : Teaching: 10 years, Research: 16 years
5. Area of Specialization : 1) Semiconductor Nanostructures
2) Bionano Composites
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9. Google Scholar ID : <https://scholar.google.co.in/citations?user=jEmO0u8AAAAJ&hl=e>
10. IRINS Link for detailed profile: <https://ruraluniv.irins.org/profile/107274>



11. Research Guidance :

Degree	Awarded		Guiding
	Total	For the period 2019-2024	
Ph.D.	3	3	3

12. Publications

S.No.	Category	Total	For the period 2019-2024
1.	No. of UGC CARE Listed Publications	40	23
2.	No. of Chapters in Edited Volume / Proceedings	2	2

13. Select Publications (2019-2024)

S.No.	Title of the Article	Name of the Journal	I/N	ISBN/ISSN	Vol.	Pg.	Year
1.	Graphene Quantum Dots Embedded in NiCo2S4/MWCNT Nanocomposite as a Promising Candidate for Supercapacitors and I3- Reduction in Dye-Sensitized Solar Cells	Energy & Fuels	I	1520-5029	35	13360-13369	2021
2.	"Size or mass" which plays a role? An investigation on the optical and ultrasonic properties of chitosan-lanthanide composites	International Journal of Biological Macromolecules	I	1879-0003	188	609-619	2021
3.	Promoting active sites of Fe3+ ions in SrTiO3 nanosphere: A superior candidate for high performances of Dye-sensitized solar cell and Photocatalytic dye degradation	Colloids and Surfaces A: Physicochemical and Engineering Aspects	I	1873-4359	672	131702	2023
4.	Influence of ionic size on the optical and thermodynamical properties of chitosan based polymer composites with different ammonium halides	Journal of the Indian Chemical Society	I	2667-2847	100	101096	2023
5.	On the semiconductor to metal transition in a quantum wire: Influence of geometry and laser	Modern Physics Letters B	I	1793-6640	38	2342007	2024

14. **Sponsored Projects:**

Major Projects handled so far		Major Projects handled during 2019-2024	
Nos.	Financial Outlay (Rs.in lakhs)	Nos.	Financial Outlay (Rs.in lakhs)
1	0.25 (Seed Money)	1	0.25 (Seed Money)

15. No. of Seminars/Conferences/Workshops Organized (2019-2024) : 1

16. No. of Presentations in Seminars/Conferences (2019-2024) : 34

17. No. of Invited Talks in National / International Conferences (2019-2024) : 7

18. Additional Responsibilities (2019-2024):

- Deputy Warden – Boy's Hostel
- Deputy coordinator – Alumni Cell
- Programme Officer – NSS
- Organiser – Shanti sena

19. **Awards / Honours / Recognitions / Achievements: (2019-2024):**

- Suja Memorial award for highest Mark in M.Sc., Physics
- University First Rank in M.Sc – Gold Medal
- Young Researcher Award – DST, GoI